

Name: \_\_\_\_\_

### p1103: Expand Product of Linear Binomials (v23)

#### Question 1

Expand the product of linear binomials.  $(x - 8)(x - 8)$

$$x^2 - 8x - 8x + 64$$

$$x^2 - 16x + 64$$

#### Question 2

Expand the product of linear binomials.  $(x - 7)(x + 2)$

$$x^2 + 2x - 7x - 14$$

$$x^2 - 5x - 14$$

#### Question 3

Expand the product of linear binomials.  $(x - 1)(x - 5)$

$$x^2 - 5x - x + 5$$

$$x^2 - 6x + 5$$

#### Question 4

Expand the product of linear binomials.  $(8x - 4)(3x - 6)$

$$24x^2 - 48x - 12x + 24$$

$$24x^2 - 60x + 24$$

#### Question 5

Expand the product of linear binomials.  $(-9x - 6)(7x - 2)$

$$-63x^2 + 18x - 42x + 12$$

$$-63x^2 - 24x + 12$$

**Question 6**

Expand the product of linear binomials.  $(x + 2)(x - 5)$

$$x^2 - 5x + 2x - 10$$

$$x^2 - 3x - 10$$

**Question 7**

Expand the product of linear binomials.  $(4x + 3)(-4x - 7)$

$$-16x^2 - 28x - 12x - 21$$

$$-16x^2 - 40x - 21$$

**Question 8**

Expand the product of linear binomials.  $(x - 2)(x - 3)$

$$x^2 - 3x - 2x + 6$$

$$x^2 - 5x + 6$$

**Question 9**

Expand the product of linear binomials.  $(-x + 8)(-2x - 3)$

$$2x^2 + 3x - 16x - 24$$

$$2x^2 - 13x - 24$$

**Question 10**

Expand the product of linear binomials.  $(9x - 3)(3x + 4)$

$$27x^2 + 36x - 9x - 12$$

$$27x^2 + 27x - 12$$